



## Frustrating Parallelogram

by Arya Akhavan (November 2013)

Angles for R.I. = 1.620

37 + 12 girdles = 49 facets

2-fold radial symmetry

96 index

$L/W = 1.686$   $T/W = 0.549$   $U/W = 0.292$

$P/W = 0.477$   $C/W = 0.215$

$Vol./W^3 = 0.470$

### PAVILION

X1 43.62° 96-01-48-49 Cut to centerpoint.

### PAVILION

P1 43.62° 96-48 Retain from preform.

P2 44.33° 02-50 Meet at culet.

P3 42.00° 47-95 Meet at culet.

P4 43.27° 03-51 Meet at culet.

G1 90.00° 96-48 Set stone width.

G2 90.00° 02-50 Level girdle.

P5 63.93° 13-61 Level girdle.

P6 66.96° 17-65 Meet P3, P4, P5

P7 62.67° 20-68 Meet P3, P4, P5, P6

P8 42.37° 46-94 Meet P3, P4, P5, P6, P7

G3 90.00° 13-61 Meet P2, P4, G2

G4 90.00° 17-65 Level girdle.

G5 90.00° 20-68 Level girdle.

G6 90.00° 46-94 Level girdle.

### CROWN

C1 67.26° 46-94 Set girdle width.

C2 64.89° 96-48 Level girdle.

C3 62.89° 02-50 Level girdle.

C4 51.20° 28-76 Level girdle.

C5 52.03° 31-79 Level girdle.

C6 54.11° 35-83 Level girdle.

C7 30.03° 40-88 Meet G2, G3, C1, C6

C8 19.43° 96-48 Meet C1, C2, C7

C9 18.98° 13-61 Meet G5, G6, C3, C4; C2, C3, C8

C10 16.98° 31-79 Meet C4, C5, C9; C5, C6, C7

T 0.00° Table Meet C7, C8, C10; C8, C9, C10

This was an inordinately frustrating design to write. I don't even remember what possessed me to write a parallelogram design. Why did I go with a diamond checker crown? Will I ever have the patience to cut this? No. Designed specifically for tourmaline, and performs poorly in anything else without scaling.

Suggested length = 8-12 mm

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